

ABSTRACT

Problem

It is difficult to secure the reliability of a laminated ceramic capacitor when the thickness of a dielectric ceramic layer is reduced to about 1 μm .

Solving Means

The present invention provides a dielectric ceramic composition represented by the chemical composition formula: $100(\text{Ba}_{1-x}\text{Ca}_x)_m\text{TiO}_3 + a\text{MnO} + b\text{CuO} + c\text{SiO}_2 + d\text{Re}_2\text{O}_3$ (wherein coefficients 100, a, b, c, and d each represent a molar ratio; and Re represents at least one element selected from Y, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, and Yb), wherein m, x, a, b, c, and d satisfy the respective relationships: $0.990 \leq m \leq 1.030$, $0.04 \leq x \leq 0.20$, $0.01 \leq a \leq 5$, $0.05 \leq b \leq 5$, $0.2 \leq c \leq 8$, and $0.05 \leq d \leq 2.5$.